

852 Product Activity Data

Functional Group ID=**PD**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a distributor, warehouse, or retailer to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

Notes:

1. Organizations use this transaction set to provide asset balance and point of sale information to vendors responsible for replenishing distribution centers, warehouses or retail outlets.

2. Use a single occurrence of this transaction set to report asset balance and point of sale information to a single vendor for a single distribution center, warehouse or retail outlet.

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	XQ	Reporting Date/Action	M	1		
Must Use	030	XPO	Preassigned Purchase Order Numbers	O	>1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
Must Use	060	N1	Name	O	1		n1
Not Used	070	N2	Additional Name Information	O	1		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	FOB	F.O.B. Related Instructions	O	1		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Not Used	120	DTM	Date/Time Reference	O	>1		
Not Used	130	N9	Reference Identification	O	>1		
Not Used	140	PER	Administrative Communications Contact	O	3		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			999999	
Must Use	010	LIN	Item Identification	O	1		
Not Used	020	CTP	Pricing Information	O	25		
Not Used	030	PO4	Item Physical Details	O	1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	AMT	Monetary Amount	O	10		
Not Used	060	PAL	Pallet Information	O	1		
Not Used	070	QTY	Quantity	O	1		
			LOOP ID - ZA			>1	
Must Use	080	ZA	Product Activity Reporting	M	1		n2
Not Used	090	QTY	Quantity	O	1		n3
Not Used	100	CTP	Pricing Information	O	25		
Not Used	110	SDQ	Destination Quantity	O	>1		
			LOOP ID - G95			1	
Not Used	120	G95	Performance Requirements	O	1		
Not Used	130	DTM	Date/Time Reference	O	2		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	O	1		n4
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
2. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
3. The QTY segment in the ZA loop is only used to provide the number of orders associated with the quantity in the ZA segment, or the total of quantities in the SDQ segments for the activity. The only allowable code value is OC = Order Count.
4. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.
When sending item and activity data in the LIN loop, the CTT segment is required.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			852 Product Activity Data	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **XQ** Reporting Date/Action
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify reporting date and action to be taken
Syntax Notes:
Semantic Notes: 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Attributes</u>
	<u>Des.</u>		<u>Name</u>	
Must Use	XQ01	305	Transaction Handling Code	M ID 1/2
			Code designating the action to be taken by all parties	
			F Plan and Submit Suggested Purchase Order(s)	
			G Plan Order(s) and Ship Product	
			H Notification Only	
Must Use	XQ02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
Not Used	XQ03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment: **XPO** Preassigned Purchase Order Numbers

Position: 030

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: >1

Purpose: To transmit preassigned purchase order numbers

Syntax Notes: 1 If either XPO03 or XPO04 is present, then the other is required.

Semantic Notes: 1 XPO01 is the preassigned purchase order number. If a range of purchase order numbers is to be transmitted, use XPO01 for the first number and XPO02 as the ending number.

Comments: 1 XPO03 and XPO04 specify the location to which the purchase order numbers apply.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	XPO01	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser <i>Agency preassigned purchase order number. There will be a separate purchase order number for each warehouse receiving location.</i>	
Not Used	XPO02	324	Purchase Order Number	O AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
Not Used	XPO03	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	XPO04	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

Segment: **N1** Name
Position: 060
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			RL Reporting Location	
Not Used	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		54	Warehouse	
		M4	Department of Defense Routing Identifier Code (RIC)	
			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			<i>Enter the code applicable to the warehouse reporting location.</i>	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	

Not Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment:	LIN Item Identification
Position:	010
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		<i>Enter Agency unique system assigned number.</i>	
Must Use	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		FS National Stock Number	
		SK Stock Keeping Unit (SKU)	
		UA U.P.C./EAN Case Code (2-5-5)	
		UD U.P.C./EAN Consumer Package Code (2-5-5)	
		UI U.P.C. Consumer Package Code (1-5-5)	
Must Use	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	

Enter the code of the product whose activity is being reported.

Not Used	LIN04	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN05	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN06	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN07	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN08	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN09	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN10	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN11	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN12	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN13	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN14	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					
Not Used	LIN15	234	Product/Service ID	X	AN 1/48
Identifying number for a product or service					
Not Used	LIN16	235	Product/Service ID Qualifier	X	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
Refer to 004010 Data Element Dictionary for acceptable code values.					

Not Used	LIN17	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN18	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN19	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN20	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN21	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN22	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN23	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN24	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN25	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN26	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN27	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN28	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	LIN29	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN30	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Not Used	LIN31	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		

Segment: **ZA** Product Activity Reporting

Position: 080

Loop: ZA Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To provide activity details concerning product being reported

Syntax Notes: 1 If either ZA02 or ZA03 is present, then the other is required.

2 If either ZA04 or ZA05 is present, then the other is required.

3 If either ZA06 or ZA07 is present, then the other is required.

Semantic Notes: 1 ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ZA01	859	Activity Code	M ID 2/2
Code identifying activity details for the product being reported				
<i>Enter QA in first iteration of ZA loop. Enter QS in second iteration of ZA loop. Enter QL if required in third iteration of ZA loop. Enter QM if required in fourth iteration of ZA loop. QL/QM entries specify the quantity range vendor is required to maintain.</i>				
			QA	Current Inventory Quantity Available for Shipment or Sale
				Indicates the quantity currently available to be sold or shipped
			QL	Minimum Inventory Quantity
				The minimum inventory quantity for replenishment purposes
			QM	Maximum Inventory Quantity
				The maximum inventory quantity for replenishment purposes
			QS	Quantity Sold
Must Use	ZA02	380	Quantity	X R 1/15
Numeric value of quantity				
<i>Enter Quantity applicable to QA/QS/QL/QM.</i>				
Must Use	ZA03	355	Unit or Basis for Measurement Code	X ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
<i>Enter unit of issue for item being reported.</i>				

Not Used	ZA04	374	Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 3/3
			Date/Time Qualifier Code specifying type of date or time, or both date and time		
Not Used	ZA05	373	Refer to 004010 Data Element Dictionary for acceptable code values.	X	DT 8/8
			Date Date expressed as CCYYMMDD		
Not Used	ZA06	128	Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
			Reference Identification Qualifier Code qualifying the Reference Identification		
Not Used	ZA07	127	Refer to 004010 Data Element Dictionary for acceptable code values.	X	AN 1/30
			Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	ZA08	1073	Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 1/1
			Yes/No Condition or Response Code Code indicating a Yes or No condition or response		

Segment: **CTT Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			<i>Enter the number of occurrences of LIN.</i>	
Not Used	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
Not Used	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	CTT06	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>Enter the same number cited in ST02.</i>	